MIDMARK®

485

FOR USE BY MIDMARK TRAINED TECHNICIANS ONLY

Surgi-Med Table

Service and Parts Manual

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Part No. 003-0356-00 Rev. C (7/00)

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IMPORTANT INSTRUCTIONS
Safety First

Throughout this manual are “Notes”, “CAUTIONS”, and “DANGER” warnings that call attention to particular procedures. The items are used as follows:

Note: A note is used to amplify an operating procedure, practice or condition.

CAUTION: A CAUTION IS USED FOR AN OPERATING PROCEDURE, PRACTICE OR CONDITION WHICH, IF NOT CORRECTLY FOLLOWED, COULD RESULT IN EQUIPMENT DAMAGE.

DANGER: A DANGER IS USED FOR AN OPERATING PROCEDURE, PRACTICE OR CONDITION WHICH, IF NOT CORRECTLY FOLLOWED, COULD RESULT IN PERSONAL INJURY.

For your personal safety all **DANGER** warnings are repeated here. Become thoroughly familiar with them and observe them at all times.

1. **KEEP YOUR ARMS AND LEGS CLEAR OF ALL MOVING PARTS WHEN CHANGING TABLE POSITIONS. FAILURE TO DO SO COULD RESULT IN PERSONAL INJURY.**
2. **FAILURE TO TIGHTEN THE LEG SECTION FASTENING SCREWS COULD RESULT IN PERSONAL INJURY OR EQUIPMENT DAMAGE.**
3. **TWO PERSONS ARE REQUIRED TO REMOVE AND REPLACE THE TABLE TOP. FAILURE TO USE TWO PERSONS COULD RESULT IN PERSONAL INJURY OR EQUIPMENT DAMAGE.**
4. **FAILURE TO PROPERLY SUPPORT TABLE WHILE IT IS PLACED ON BLOCKS COULD RESULT IN PERSONAL INJURY AND EQUIPMENT DAMAGE.**
5. **FAILURE TO USE AN ASSISTANT TO SUPPORT THE BACK SECTION WHILE REMOVING AND REPLACING THE GAS SPRINGS COULD RESULT IN EQUIPMENT DAMAGE OR PERSONAL INJURY.**
6. **FAILURE TO PROPERLY SUPPORT BASE COULD RESULT IN PERSONAL INJURY OR EQUIPMENT DAMAGE.**

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INTRODUCTION

This manual covers complete instructions for the service and maintenance of the Model 485 Surgi-Med Table.

PARTS REPLACEMENT

The Model 485 Surgi-Med Table has been designed so that the mechanical components can easily be repaired and/or replaced in the field if they should become defective for any reason.

If a part replacement should be required, the part must be ordered direct from the factory. When any part is ordered, a complete description or part number is required, along with Serial Number and date of installation of the table. For details of the exchange plan, call or write the plant. For location of serial number tag for the Model 485, see Item A, Fig. 1.

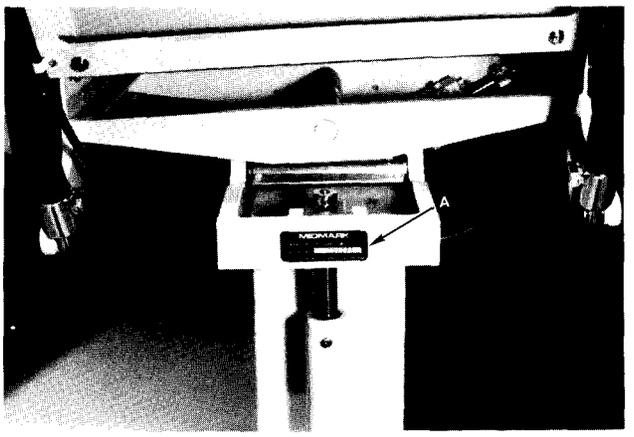

Figure 1

DANGER: KEEP YOUR ARMS AND LEGS CLEAR OF ALL MOVING PARTS WHEN CHANGING TABLE POSITIONS. FAILURE TO DO SO COULD RESULT IN PERSONAL INJURY.

REMOVAL AND REPLACEMENT OF MATTRESS SECTIONS

All the mattress sections on the Model 485 Surgi-Med Table are secured with Velcro patches. To remove a mattress section, grasp at the extreme end of the section and lift slowly. See Fig. 2.

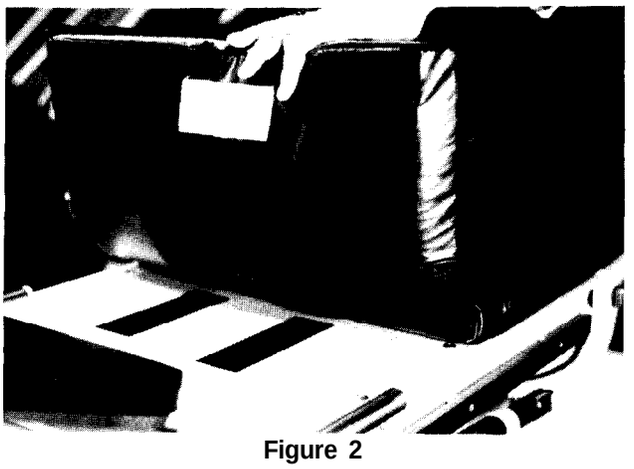

Figure 2

To replace mattress sections, position table in horizontal position. Locate section over corresponding table section and press into place. Cycle table to check for proper fit at pivot points.

REMOVAL AND REPLACEMENT OF LEG SECTION(S)

To remove the leg section, loosen the leg section fastening screw, Item A, Fig. 3. Stand at the foot end of the table and pull straight out removing the leg section from the table.

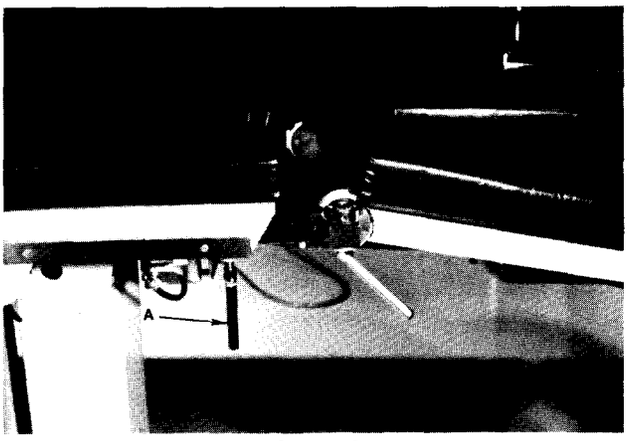

Figure 3

DANGER: FAILURE TO TIGHTEN THE LEG SECTION FASTENING SCREWS COULD RESULT IN PERSONAL INJURY OR EQUIPMENT DAMAGE.

To replace leg section, insert metal tabs of leg section into track on seat section and firmly tighten the leg section fastening screws, Item A, Fig. 3.

REMOVAL AND REPLACEMENT OF TABLE TOP

DANGER: TWO PERSONS ARE REQUIRED TO REMOVE AND REPLACE THE TABLE TOP. FAILURE TO USE TWO PERSONS COULD RESULT IN PERSONAL INJURY OR EQUIPMENT DAMAGE.

To remove table top:

1. Remove leg section(s). Refer to Removal and Replacement of Leg Section(s) on Page 2.

2. Remove screw Item A, Fig. 4, using a 5 mm. Hex Allen wrench.

3. With one person on each side of the table lifting at points A, Fig. 5, lift top of table straight up until the outer column clears the inner column.

CAUTION: Make certain that the roller guides mounted on the lower inside edge of the outer column are not damaged or knocked out of position when removing top.

To replace table top:

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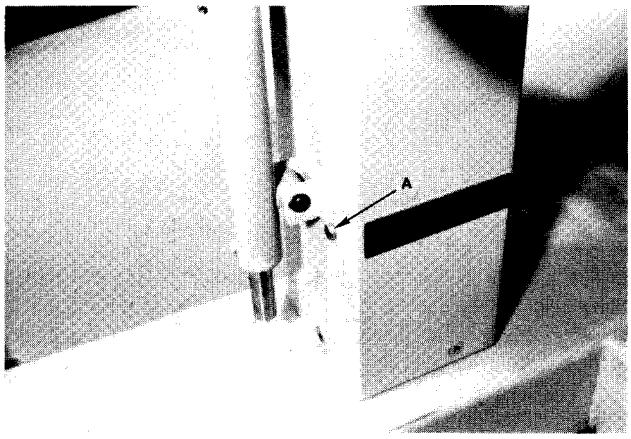

Figure 4

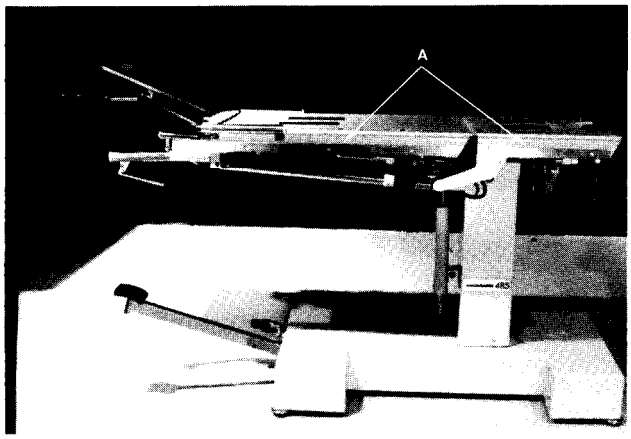

Figure 5

1. With a person on each side of the table top lifting at points A, Fig. 5, align roller guides mounted on outer column with guides on inner column and gently lower table.

2. Replace 5 mm. screw, Item A, Fig. 4.

3. Replace leg section(s). Refer to Removal and Replacement of Leg Section(s) on Page 2.

ADJUSTMENT, REMOVAL AND REPLACEMENT OF TRENDELENBURG CYLINDER

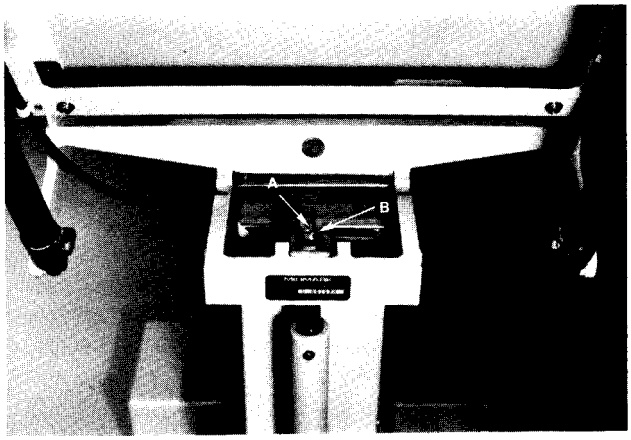

Figure 6

If the trendelenburg cylinder is drifting, it must be determined if the cylinder is actually leaking internally or the cylinder release mechanism is out of adjustment and requires readjustment. Proceed as follows to determine if the cylinder is leaking internally or the release mechanism needs adjustment.

1. Loosen collar Item A, Fig. 6, on top of trendelenburg cylinder by loosening set screw, Item B, Fig. 6, with a 2.5 mm. allen wrench.

2. Check to see if the cylinder drifts by applying weight on the head end of the table. If thecylinder is still drifting with the collar loose, the cylinder is defective and requires replacement. If adjustment only is required, proceed with step #3.

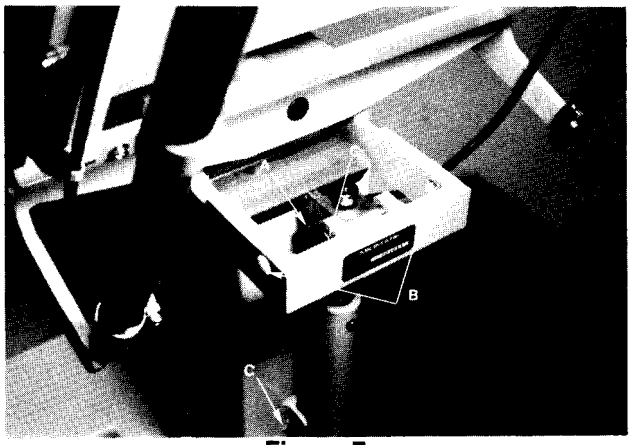

Figure 7

a. To remove the defective cylinder, remove the cable end from the release lever on cylinder Item A, Fig. 7.

b. Remove hole plugs Item B, Fig. 7. This is easily done by pushing plugs out from the back side.

c. Remove E-rings and Pins Item C, Fig. 7 from defective cylinder. Cylinder can now be removed.

Replace defective cylinder by:

d. Placing new cylinder in position and replacing E-Rings and Pins Item C, Fig. 7.

e. Replace hole plugs Item B, Fig. 7.

f. Replace cable end of maneuver wire on release lever of cylinder Item A, Fig. 7.

g. Cycle new trendelenburg cylinder several times by moving table from trendelenburg into reverse trendelenburg very slowly.

3. If the cylinder does not drift with the collar loose, the release mechanism must be adjusted.

a. Place the table top in the flat table position.

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b. The ball and collar must have a 1/32 inch space between each other in order to work properly. An ordinary credit card is 1/32 inch thick and can assist you to achieve this proper spacing. Place the credit card between the ball and the collar and then tighten the set screw Item B, Fig. 6, in the collar Item A, Fig. 6 with a 2.5 mm. allen wrench.

4. The trendelenburg release handle must move at least half way before actuation of the cylinder occurs. If adjusting of handle is necessary, refer to Adjustment of Release Handles on Page 10.

REMOVAL AND REPLACEMENT OF LATERAL TILT CYLINDER

To replace lateral tilt cylinder:

1. Place table in the trendelenburg position.

2. Remove the cable end of maneuver wire from the release lever of the cylinder and disconnect cable assembly from cylinder body (Retain all parts for re-assembly to new cylinder).

Figure 8

3. Remove retaining rings Item A, Fig. 8, from rod end and base end of old lateral tilt cylinder.

4. Remove pin from cylinder body and remove cylinder from table.

5. Remove cable tie from release lever arm of new cylinder.

6. Remove red screw and seal from replacement cylinder and discard. This red screw is used to plug bleed hole during shipment only and is not to be reused.

7. Secure bracket to replacement cylinderwith the screw provided Item A, Fig. 9.

8. Mount rod end of replacement cylinder to seat section and secure with retaining ring.

9. Mount base end of cylinder using plastic spacer provided. Plastic spacer to be used on base end of cylinder, column side. Secure pin with retaining rings.

Note: Mount cylinder so that bracket and maneuver arm point toward column.

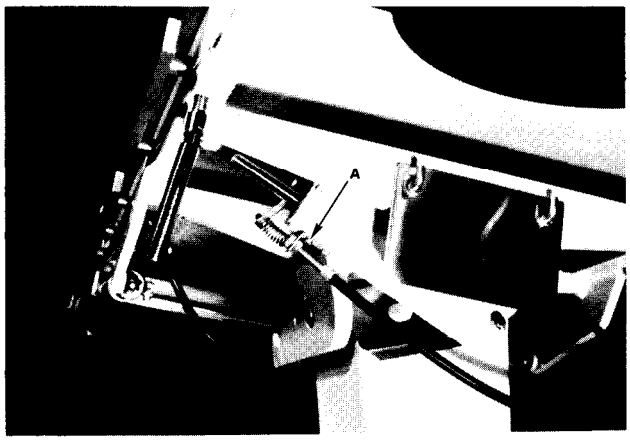

Figure 9

10 Mount the cable assembly to the bracket on the cylinder utilizing the existing parts and assemble the cable end of maneuver wire to the cylinder release lever.

11 Adjust cable assembly. The lateral tilt release handle is to move at least half way before actuation of the lateral tilt cylinder occurs. If adjustment of handle is necessary, refer to Adjustment of Release Handles on Page 10.

12 Cycle cylinder several times by moving table into the extreme left lateral tilt position and then into the extreme right lateral tilt position very slowly and examine for oil leakage. Wipe excess oil from cylinder. It may take several cycles to remove all excess oil in cylinder.

REMOVAL AND REPLACEMENT OF HYDRAULIC PUMP

To replace the hydraulic pump:

1. Remove the leg section(s). Refer to Removal and Replacement of Leg Section(s) on Page 2.

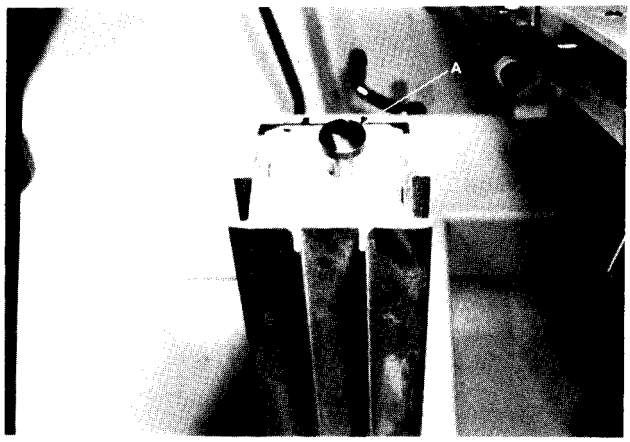

Figure 10

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2. Remove the table top. Refer to Removal and Replacement of Table Top on Page 2.

3. Remove piston rod support, Item A, Fig. 10, Foam Mist barrier, Item B, Fig. 10, and Piston rod bushing, Item A, Fig. 11, and retain for replacement on new hydraulic pump.

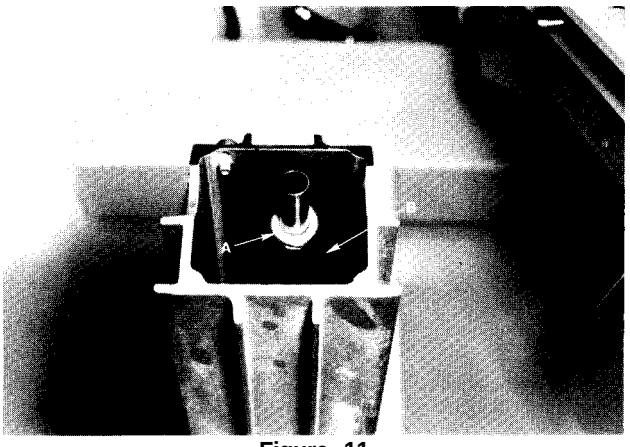

Figure 11

4. Remove splash guard boot, Item B, Fig. 11, and retain for replacement on new hydraulic pump.

5. With an assistant, remove all oil from sump reservoir by turning table base over on the side and allow oil to run out of column into a clean container.

6. Allow table base to rest on its side while the inner column is supported.

7. Remove clevis pin and snap ring from pump pivot link Item A, Fig. 12.

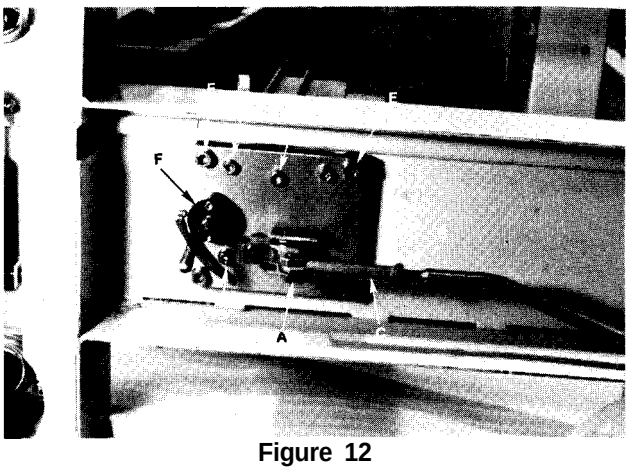

Figure 12

8. Loosen jam nut, Item B, Fig. 12, and remove end piece Item C, Fig. 12 by turning pump link rod out of end piece.

Note: Prior to removing, note the position of the end piece and jam nut for proper reassembly.

9. Remove the (4) screws and lockwashers, Item C, Fig. 12, that secure the inner column to the base and the oil drain plug, Item D, Fig. 12, using an 8 mm. allen wrench.

Note: Make certain the inner column is properly supported prior to removing the above (4) screws and lockwashers. After these (4) screws are removed, the inner column will only be supported by the silicon seal between the column and base. If the inner column is removed at this time, or the silicon seal is damaged, it will require the installation of a new seal, Item A, Fig. 13.

10. Remove the (4) screws, lockwashers and spacers, Item E, Fig. 12, that secure pump to base of table using a 10 mm. allen wrench.

11. The pump can now be removed.

To replace the hydraulic pump:

1. Make certain gasket is properly seated in the replacement pump.

2. Place pump in position and replace (4) 10 mm. screws, lockwashers and spacers. Do not tighten these screws at this time, Item E, Fig. 12.

3. Replace (4) screws and lockwashers, Item C, Fig. 12, that secure the inner column to pump base and oil drain plug Item D, Fig. 12, using an 8 mm. allen wrench.

4. Align the inner column so that the sides of inner column are parallel to the sides of the base and tighten the (4) screws Item E, Fig. 12.

5. Assemble pump link rod into end piece, Item C, Fig. 12, and secure with Jam nut, Item B, Fig. 12.

Note: Jam nut and end piece should be in the same position as prior to being disassembled.

6. Install clevis pin and snap ring, Item A, Fig. 12, securing pump pivot link to pump link rod.

7 Turn table base upright and refill with approximately 1 quart of light grade mineral oil.

8. Replace splash guard boot, Item B, Fig. 11.

9. Replace piston rod bushing, Item A, Fig. 11, Foam mist barrier, Item B, Fig. 10, and Piston rod support, Item A, Fig. 10.

10. Pump the hydraulic pump to the highest position and continue to pump for approximately (2) minutes to allow for air that has entered the pump to escape through the bleeder hole on the upper end of the cylinder.

Note: If pump does not lift, pull up on piston rod during simultaneous pumping of the pedal until pump begins to work properly.

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11. Push pump pedal to its lowest position and press the piston rod down to the fully retracted position.

12. Replace the table top. Refer to Removal and Replacement of Table Top on Page 2.

13. Replace the Leg section(s). Refer to Removal and Replacement of Leg Section(s) on Page 2.

14. Pump the table up to its highest position and then lower top to remove any air still remaining in the pump cylinder. This step may have to be repeated several times until all air is removed and a smooth operation of the pump is obtained.

15. Check silicon seal, Item A, Fig. 13, between column and base for oil leakage. If seal was damaged it will be necessary to replace it.

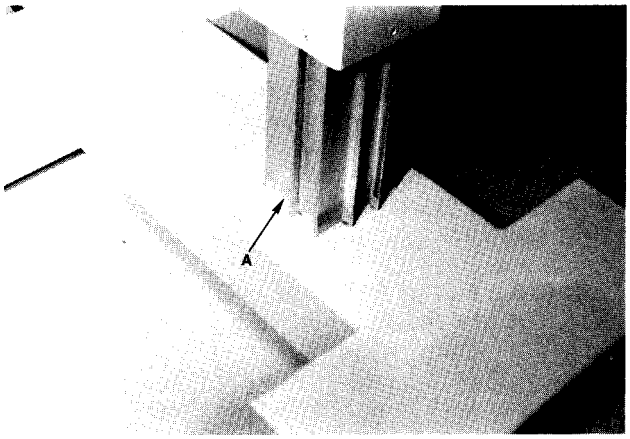

Figure 13

ADDING OIL TO SYSTEM

The oil used in the Model 485 is a colorless, odorless, non-staining Light Grade mineral oil. This is the same grade of mineral oil available from any hospital stockroom or pharmacy.

The Model 485 is filled at the factory and should never need refilling unless fluid is lost through an external leak or from being tilted during transit or installation.

Total capacity of the system is approximately one quart. However, the table will reach its highest position with very little oil in reserve. Should you encounter difficulty in getting the table up to its highest position or a "sucking" noise is heard while pumping the table, it is probably low on oil. The following procedure is to be used to add oil:

1. Place table in the maximum trendelenburg position.

2. Remove the plastic plug, Item A, Fig. 14, from top of center column.

3. Fill with approximately 1 quart of light grade mineral oil and replace plastic plug.

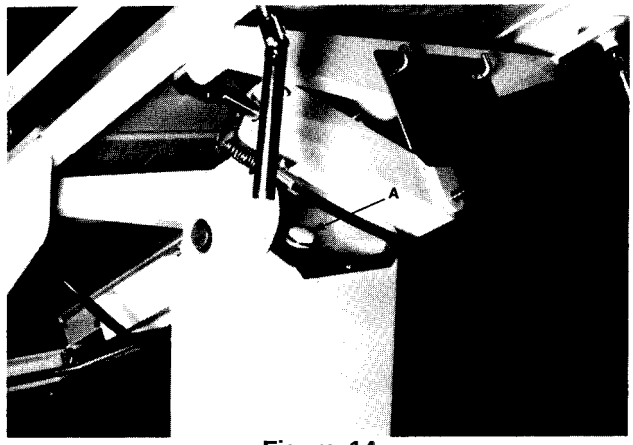

Figure 14

DRAINING OIL FROM SYSTEM

It is not necessary to change the oil in the hydraulic pump unless the oil has been severely contaminated. However, it is advised to drain the oil from the pump should the table be moved to another location which will require tilting the table. The following procedure is to be used to drain the oil:

1. With an assistant, place base of table up on blocks that are 8 to 10" high. Make certain to properly support table. Table should be in the "down" position.

DANGER: FAILURE TO PROPERLY SUPPORT TABLE WHILE IT IS PLACED ON BLOCKS COULD RESULT IN PERSONAL INJURY AND EQUIPMENT DAMAGE.

Place pan directly under center column and remove oil drain plug Item D, Fig. 12.

3. After all oil has been drained out, plug can be replaced.

4. To replenish oil, see Adding Oil to System on Page 6.

BLEEDING OF CYLINDERS

Air inside of the cylinder can cause the lateral tilt cylinder and the trendelenburg cylinder to drift, or not hold a position. The following procedure will purge or bleed the cylinders of air:

1. Determine which cylinder is drifting, trendelenburg or lateral tilt.

2. Very slowly, move that particular function of the table that is drifting, into one of its maximum positions such as trendelenburg, reverse trendelenburg, left lateral tilt, or right lateral tilt and allow it to remain in that position for several minutes.

3. Now move table back very slowly into the flat horizontal table position and allow it to remain in that position for several minutes.

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4. Next, position table, very slowly, in the extreme opposite position as outlined in step #2 and allow it to remain in that position for several minutes.

5. Then return table to the flat horizontal table position for several minutes.

6. It may require several cycles as described above to purge out all the air. However, if after several cycles that particular cylinder continues to drift, the cylinder is defective internally and will require replacement.

REMOVAL AND REPLACEMENT OF BACK SECTION PNEUMATIC GAS SPRINGS

Two pneumatic gas springs, Item A, Fig. 15, are employed in the Model 485 to assist in raising, lowering, and supporting the back section.

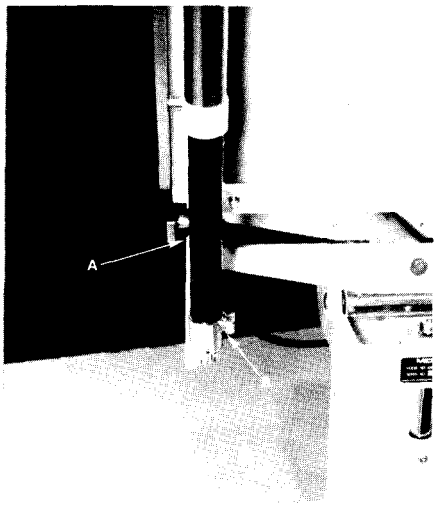

Figure 15

The strength of the pneumatic gas springs will determine the effort required to raise or lower the back section. If the back section is extremely difficult to position, or does not want to maintain a position, it is due to one or both of the gas springs being defective.

The following procedure is to be used to remove and replace the gas cylinders. An assistant is required to support the back section while one or both of the gas springs are removed and replaced.

DANGER: FAILURE TO USE AN ASSISTANT TO SUPPORT THE BACK SECTION WHILE REMOVING AND REPLACING THE GAS SPRINGS COULD RESULT IN EQUIPMENT DAMAGE OR PERSONAL INJURY.

1. Raise back section to the full chair position.

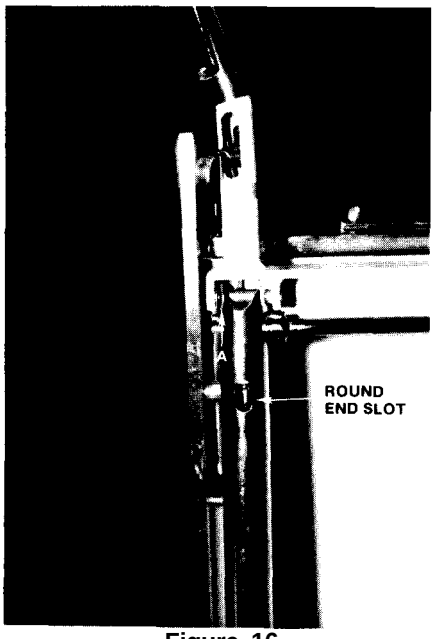

Figure 16

2. Remove "E" Ring, Item A, Fig. 16, from each clevis pin at top end of each gas spring telescoping tube.

3. Drive each clevis pin in toward center of table until gas spring telescoping tube is free.

4. Allow top end of telescoping tube to drop down and free of release rod assembly.

   Note: A little force may be required to free release rod assy from top end of telescoping tube.

5. Remove plunger from top end of telescoping tube of defective gas spring by pulling it straight out.

   Note: Prior to removing plunger, please note how it is assembled in telescoping tube so that it may be replaced in the exact same manner.

6. Using a 17 mm. socket with extension, remove the nut from the top end of the defective gas spring.

7. Loosen clamp, Item B, Fig. 15, using a 5 mm. hex allen wrench at bottom end of defective gas spring and remove gas spring from clamp.

8. Unscrew defective gas spring from threaded plug in telescoping tube.

To replace Gas spring:

1. Thread rod end of gas spring into threaded plug in telescoping tube.

2. Using a 17 mm. socket with extension, replace the nut on the top of the gas spring and turn tight.

3. Replace plunger into top end of telescoping tube making certain it is replaced in the same manner it was removed.

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4. With the round end slot facing away from the back of the chair, assemble end of release rod assembly into the end of the telescoping tube.

5. Align end of telescoping tube and replace clevis pin on each tube.

6. Replace "E" Ring, Item A, Fig. 16, on each clevis pin.

7. With an assistant still supporting the back section of the table, align lower end of gas spring and clamp, Item B, Fig. 15, very easily, release the back section release lever until lower end of gas spring is fully seated in clamp.

8. Tighten clamp using a 5 mm. hex allen wrench.

9. Check operation of back section by moving it up and down several times.

10. Both gas springs should actuate simultaneously when release lever is depressed. Observe release tip on both gas springs thru the round end slot of telescoping tube while operating the release lever. Adjust accordingly by using a regular screwdriver and turn the adjuster on the plunger either in or out.

REMOVAL AND REPLACEMENT OF SHOCK ABSORBER

Ashockabsorber, Item A, Fig. 17, located under the base of the table is used to gently lower the table onto the leveling screws from the casters. Should the transition from the caster position to the leveling screw not be smooth and soft, chances are the shock absorber is defective.

To remove the shock absorber:

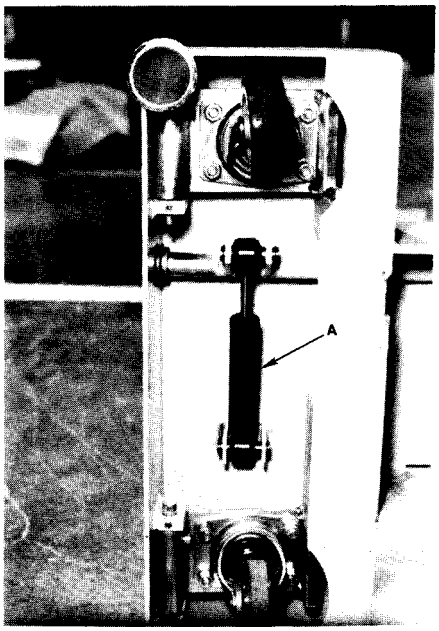

Figure 17

1. Remove mattress sections, leg section(s) and table top. See Removal and Replacement of Mattress Sections, Leg Section(s) and Table Top beginning on Page 2.

2. Place table base on blocks and make certain base is properly supported.

DANGER: FAILURE TO PROPERLY SUPPORT BASE COULD RESULT IN PERSONAL INJURY OR EQUIPMENT DAMAGE.

3. Remove "E" Rings from clevis pins and remove clevis pins.

4. Defective shock absorber can now be removed.

To replace shock absorber:

1. Align mounting holes on shock absorber and replace clevis pins.

2. Replace "E" Rings.

3. Remove table from blocks and replace mattress, leg section(s) and table top. Refer to replacement of these sections beginning on Page 2.

REMOVAL AND REPLACEMENT OF LATERAL TILT MANEUVER WIRE

Note: Prior to removing maneuver wire, please note its position and how it issecured so that it can be replaced in the exact same manner.

1. To remove lateral tilt maneuver wire, disconnect cable from release lever on lateral tilt cylinder.

2. Loosen cable clamps that secure wire to table frame.

3. Pry metal cover, Item A, Fig. 18, off with a screwdriver.

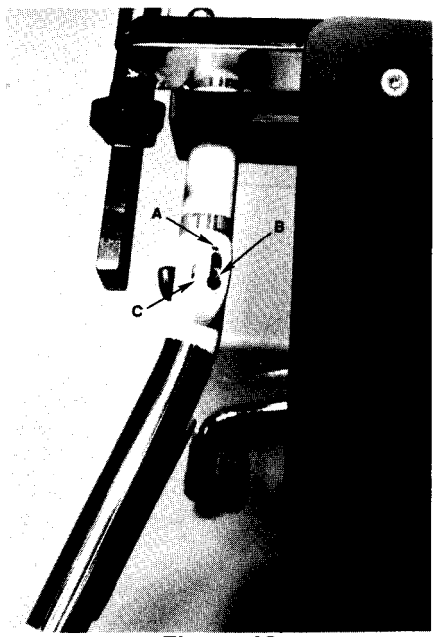

Figure 18

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4. Loosen set screw, Item B, Fig. 18, that secures pivot pin to lateral tilt release trigger.

5. Drive pivot pin, Item C, Fig. 18, out of lateral tilt release trigger.

6. Release trigger and cable assembly can now be removed through opening in handle frame.

7. Disconnect defective cable from trigger release.

To replace lateral tilt maneuver wire:

1. Assemble proper end of replacement cable to trigger release.

2. Insert cylinder end of cable through opening in handle frame and route towards lateral tilt cylinder.

3. Align hole of release trigger with holes in handle frame and replace pivot pin, Item C, Fig. 18.

4. Tighten set screw, Item B, Fig. 18.

5. Replace metal cap, Item A, Fig. 18.

6. Prior to securing cable clamps to table frame and replacing cable on release lever of lateral tilt cylinder, make certain maneuver wire is positioned in the exact same manner as prior to removing.

7. Secure cable clamps to table frame.

8. Connect maneuver wire end to release lever on cylinder.

9. Check for proper action of the trigger release and lateral tilt cylinder.

10. Adjust cable assembly. The lateral tilt release handle is to move at least half way before actuation of the lateral tilt cylinder occurs. If adjustment is required, refer to Adjustment of Release Handles on Page 10.

REMOVAL AND REPLACEMENT OF TRENDELENBURG MANEUVER WIRE

Note: Prior to removing maneuver wire, please note its position and how it is secured so that it can be replaced in the exact same manner.

1. To remove trendelenburg maneuver wire, disconnect cable from release lever of the trendelenburg cylinder.

2. Loosen cable clamps that secure wire to table frame.

3. Loosen set screw, Item A, Fig. 19, that secures pivot pin to trendelenburg release handle.

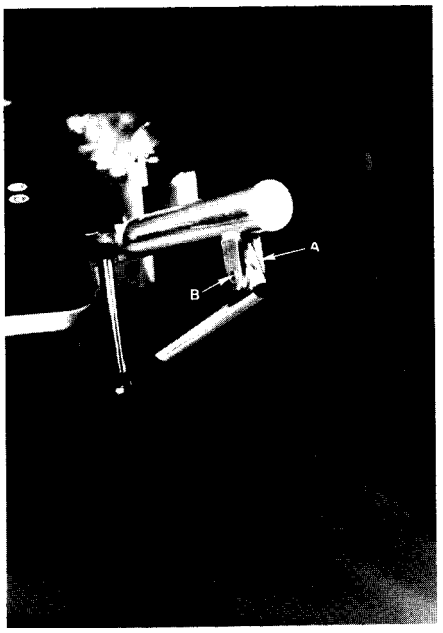

Figure 19

4. Drive pivot pin, Item B, Fig. 19, out of handle.

5. Release handle and cable assembly can now be removed through opening in handle frame.

6. Disconnect defective cable from release handle.

To replace maneuver wire:

1. Assemble proper end of replacement cable to the release handle.

2. Insert cylinder end of cable through opening in handle frame and route towards trendelenburg cylinder.

3. Align hole of release handle with holes in handle frame and replace pivot pin, Item B, Fig. 19.

4. Tighten set screw, Item A, Fig. 19.

5. Prior to securing cable clamps to table frame and replacing cable on release lever of trendelenburg cylinder, make certain maneuver wire is positioned in the exact same manner as prior to removing.

6. Secure cable clamps to table frame.

7. Connect maneuver wire end to release lever on trendelenburg cylinder.

8. Check for proper action of the release handle and the trendelenburg cylinder.

9. Adjust cable assembly. The trendelenburg release handle is to move at least half way before actuation of the trendelenburg cylinder occurs. If adjustment is required, refer to Adjustment of Release Handles on Page 10.

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REMOVAL AND REPLACEMENT OF BACK MANEUVER WIRE

Note: Prior to removing maneuver wire, please note its position and how it is secured so that it can be replaced in the exact same manner.

1. To remove back maneuverwire, disconnect cable from release rod assembly.

2. Loosen set screw, Item A, Fig. 20, that secures pivot pin to back section release handle.

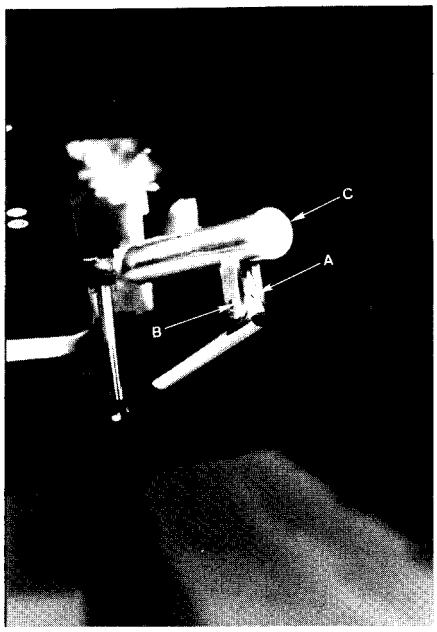

Figure 20

3. Drive pivot pin, Item B, Fig. 20, out of handle.

4. Release handle and cable assembly can now be removed through opening in handle frame.

5. Disconnect defective cable from release handle.

To replace maneuver wire:

1. Assemble proper end of replacement cable to the release handle.

2. Insert opposite end of cable through opening in handle frame and route towards mounting hole on release rod assembly.

3. Prior to securing cable to release rod assembly and securing release handle, make certain maneuver wire is positioned exactly in the same manner as prior to its removal.

4. Align hole of release handle with holes in handle frame and replace pivot pin, Item B, Fig. 20.

5. Tighten set screw, Item A, Fig. 20.

6. Assemble cable end to release rod assembly.

7. Check for proper action of the release handle and the back section pneumatic gas springs.

8. Adjust the cable assembly. The back section release handle is to move at least half way before actuation of the back section pneumatic gas springs occur. If adjustment is required, refer to Adjustment of Release Handles on Page 10.

ADJUSTMENT OF RELEASE HANDLES

The trendelenburg, lateral tilt and back section release handles all are to be adjusted so that the handle must move at least half way before actuation of the cylinder or gas spring occurs.

The trendelenburg and back section handles are to be adjusted in the following manner:

1. Remove cap, Item C, Fig. 20, from respective end of handle frame.

2. Adjust nut on cable end as required until the proper actuation distance of handle is achieved.

3. Replace cap on end of handle frame.

The release trigger for the lateral tilt is adjusted by:

1. Loosening nuts that secure cable to bracket on lateral tilt cylinder.

2. Adjust cable assembly as required.

3. Retighten nuts.

STATIC RESISTOR

The static resistor, Item F, Fig. 12, located on the underside of the hydraulic pump mounting plate insures continuity of grounding.

A periodic inspection of the static resistor should be made to insure the continuity of ground between table and ground.

LEG SECTION(S) PIVOTS

The release mechanisms on the Model 485 leg sections have been designed in such a manner that no adjustment in the field should be required.

To move the leg sections, simply squeeze the release lever and raise or lower the section as desired and then release the lever. The leg section should maintain that position.

Lubrication of the leg section pivot points should never be attempted. Any type of lubrication on these pivot points will result in the leg section not holding position or drifting down.

Should the leg section not hold position, spray the pivot areas with a degreaser type spray and operate leg section. Several cycles of spraying and operating section may be required before all residue of lubrication, cleaning solutions, etc. are removed.

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(SERVICE PARTS ONLY)

NOTES:

- **ALL BLOCKED AREAS MUST BE COMPLETED.**
- **USE FOR NON-WARRANTY FAX ORDERS ONLY. WARRANTY ORDERS MUST BE TELEPHONED IN (1-800-MIDMARK).**
- **ORDER MUST MEET $35.00 MINIMUM.**

SHADED AREAS TO BE FILLED OUT BY MIDMARK PERSONNEL ONLY.

REP #: _____ **DISCOUNT %:** _____ **DATE:** _____

CAT #: _____ **TECHNICIAN:** _____ **TIME:** _____

ATTENTION: SERVICE DEPARTMENT FAX#: 877-249-1793

ACCT #: _____ **P.O. #:** _____ **DATE:** _____

NAME: _____ **SHIP TO:** _____

ADDRESS: _____

CITY, ST.: _____

CONTACT: _____

PHONE: _____

☐ **NON-EMERGENCY ORDER - TO SHIP WITHIN 72 HOURS IF PART(S) IN STOCK.**

☐ **EMERGENCY ORDER - TO SHIP WITHIN 24 HOURS IF PART(S) IN STOCK (IF ORDER IS RECEIVED BEFORE 1:30 P.M. E.S.T).**

SEND NOTIFICATION IF PARTS ARE NOT AVAILABLE TO SHIP WITHIN 24 HOURS VIA E-MAIL OR FAX TO: _____

METHOD OF SHIPMENT

OTHER _____

UPS	**FED EX**
☐ NEXT DAY A.M.	☐ NEXT DAY A.M.
☐ NEXT DAY P.M.	☐ NEXT DAY SAVER
☐ 2ND DAY	☐ 2ND DAY
☐ GROUND	☐ ECONOMY

FA ___
ADD ___

QTY.	PART #	DESCRIPTION (SPECIFY COLOR OF ITEM IF APPLICABLE)	COLOR CODE	PRICE/PER
	SPECIAL CODES:		**TOTAL COST: $**	

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